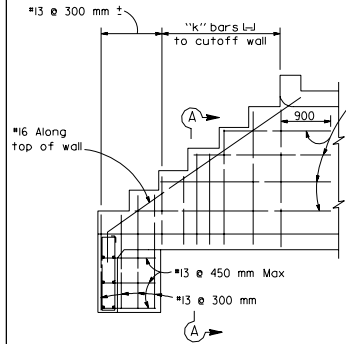
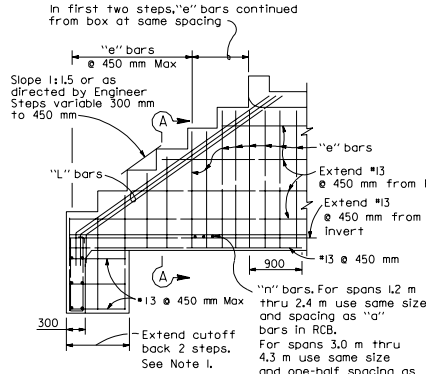




DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
July 1, 1999 PLANS APPROVAL DATE The State of California or its officers or agents shall not be responsible for the accuracy or completeness or electronic copies of this plan sheet.					

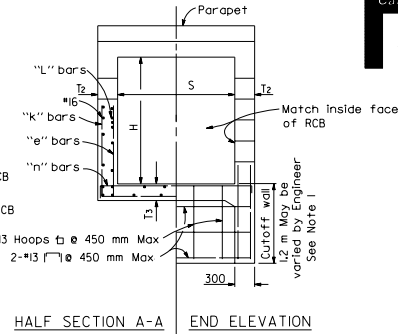


LONGITUDINAL SECTION
Showing reinforcement in outside face

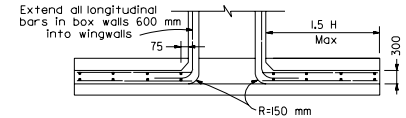
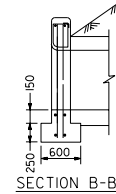


LONGITUDINAL SECTION
Showing reinforcement in inside face

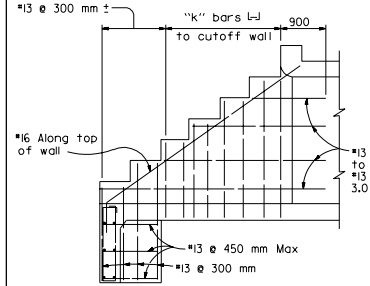
TYPE "E" STEPPED WINGWALL (SINGLE BOX CULVERT)



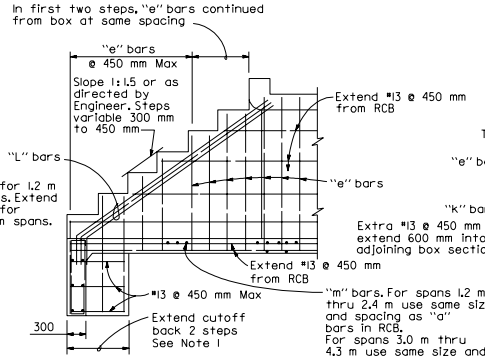
HALF SECTION A-A END ELEVATION
Dimensions S and T₂ to be same as adjacent RCB.
T₂ = Same as adjacent RCB (200 mm Min).



SECTION C-C

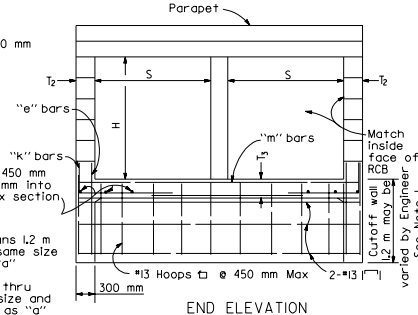


LONGITUDINAL SECTION
Showing reinforcement in outside face

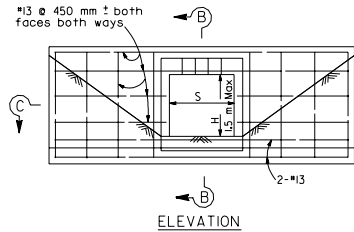


LONGITUDINAL SECTION
Showing reinforcement in inside face

TYPE "E" STEPPED WINGWALL (MULTIPLE BOX CULVERT)



HALF SECTION A-A END ELEVATION
Dimensions S and T₂ to be same as adjacent RCB.
T₂ = Same as adjacent RCB (200 mm Min).



TYPE "D" STRAIGHT WINGWALL

Details similar for multiple span boxes.
For Parapet Details not shown see Standard Plan D82.

NOTES

1. Eliminate cutoff walls if adjacent channel is paved.
2. For "H" not shown use reinforcement for next greater height.

TABLE OF REINFORCEMENT FOR TYPE "E" WINGWALLS												
H (m) (See Note 2)	0.9	1.2	1.5	1.8	2.1	2.4	3.0	3.7	4.3			
"k" Bars	Bar No 13	13	16	16	16	16	16	16	16			
"k" Bars	Spacing (mm)	300	300	300	250	225	200	175	125	100		
"L" Bars	Bar No 16	16	19	19	22	22	22	22	22	22		
"L" Bars	Number each wall	2	2	3	3	3	3	3	3	3		

BOX CULVERT WINGWALLS TYPES D AND E

NO SCALE
ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

D85